Refine Search

Search Results -

Terms	Documents
(charg$3 near3 collection)	13

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L3

Refine Search

Recall Text   Clear   Interrupt

Search History

DATE: Saturday, July 23, 2005   Printable Copy   Create Case

Set Name Query	Hit Count	Set Name
side by side		result set
DB=TDBD; PLUR=YES; OP=OR		
L3 (charg$3 near3 collection)	13	L3
L2 (charg$3 near3 collection) and bill$3 near3 collect$3	0	L2
DB=JPAB; PLUR=YES; OP=OR		
L1 (charg$3 near3 collection) and bill$3 near3 collect$3	13	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: NB9309311

L3: Entry 1 of 13   File: TDBD   Sep 1, 1993

TDB-ACC-NO: NB9309311

DISCLOSURE TITLE: 1/R**4 Shape Envelope for Macromolecules

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 2. Document ID: NB9209143

L3: Entry 2 of 13   File: TDBD   Sep 1, 1992

TDB-ACC-NO: NB9209143

DISCLOSURE TITLE: CMOS Well Structure for Decreasing Soft Error Rate.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 3. Document ID: NB910927

L3: Entry 3 of 13   File: TDBD   Sep 1, 1991

TDB-ACC-NO: NB910927

DISCLOSURE TITLE: CMOS DRAM Design Layout to Improve Soft Error Immunity.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ **4. Document ID: NN86034243**

L3: Entry 4 of 13 File: TDBD Mar 1, 1986

TDB-ACC-NO: NN86034243

DISCLOSURE TITLE: Low-Pass Resistive Decoupling Elements for Desensitizing Bipolar Cross-Coupled Circuits to Single Event Upsets

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ **5. Document ID: NN86034233**

L3: Entry 5 of 13 File: TDBD Mar 1, 1986

TDB-ACC-NO: NN86034233

DISCLOSURE TITLE: N+ Recombinant Collector Structure for Reduction of Soft Error Rates in Bipolar Random-Access Memory Cells

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ **6. Document ID: NN84113318**

L3: Entry 6 of 13 File: TDBD Nov 1, 1984

TDB-ACC-NO: NN84113318

DISCLOSURE TITLE: Transient Mode Soft Fail Emitter-Coupled Logic Bipolar Static
Cell Test Site

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 7. Document ID: NN83102569

L3: Entry 7 of 13   File: TDBD   Oct 1, 1983

TDB-ACC-NO: NN83102569

DISCLOSURE TITLE: Simple Fabrication Technique to Implement a Buried N-Type Grid
Under a Memory Array for Protection Against Radiation-Induced Soft-Errors

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 8. Document ID: NN8307632

L3: Entry 8 of 13   File: TDBD   Jul 1, 1983

TDB-ACC-NO: NN8307632

DISCLOSURE TITLE: Measurement of Substrate Impurity Concentration by the Use of
Alphaparticle Radiation

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 9. Document ID: NA83045547

L3: Entry 9 of 13   File: TDBD   Apr 1, 1983

TDB-ACC-NO: NA83045547

DISCLOSURE TITLE: Laser Plate Storage. April 1983.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 10.   Document ID: NA81123234

L3: Entry 10 of 13   File: TDBD   Dec 1, 1981

TDB-ACC-NO: NA81123234

DISCLOSURE TITLE: Soft Error Rate Reduction in Circuits by Selective Application of
Protective Barriers. December 1981.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
(charg$3 near3 collection)	13

Display Format: TI   Change Format

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Search Results - Record(s) 11 through 13 of 13 returned.

☐ 11.   Document ID: NN80055326

L3: Entry 11 of 13   File: TDBD   May 1, 1980

TDB-ACC-NO: NN80055326

DISCLOSURE TITLE: Proton Implantation Process for Reducing Alpha Induced "Soft Errors". May 1980.

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 12.   Document ID: NA80013208

L3: Entry 12 of 13   File: TDBD   Jan 1, 1980

TDB-ACC-NO: NA80013208

DISCLOSURE TITLE: Reduction of Alpha Induced Soft Errors in Dynamic Memories. January 1980.

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 13.   Document ID: NN75122159

L3: Entry 13 of 13   File: TDBD   Dec 1, 1975

TDB-ACC-NO: NN75122159

DISCLOSURE TITLE: Integrated Hadamard Image Scanner. December 1975.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
(charg$3 near3 collection)	13

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Hit List

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |

| Generate OACS |

Search Results - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: JP 2005010946 A

L1: Entry 1 of 13   File: JPAB   Jan 13, 2005

PUB-NO: JP02005010946A
DOCUMENT-IDENTIFIER: JP 2005010946 A
TITLE: BILL COLLECTION METHOD AND SYSTEM AND BILL COLLECTION SHEET

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 2. Document ID: JP 2004310645 A

L1: Entry 2 of 13   File: JPAB   Nov 4, 2004

PUB-NO: JP02004310645A
DOCUMENT-IDENTIFIER: JP 2004310645 A
TITLE: SALES/CUSTOMER MANAGEMENT METHOD AND SYSTEM FOR PROPANE GAS

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 3. Document ID: JP 2004024896 A

L1: Entry 3 of 13   File: JPAB   Jan 29, 2004

PUB-NO: JP02004024896A
DOCUMENT-IDENTIFIER: JP 2004024896 A
TITLE: BILL COLLECTION SYSTEM, BILL MANAGEMENT SERVER, AND BILLING SERVER

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 4. Document ID: JP 2003228766 A

L1: Entry 4 of 13   File: JPAB   Aug 15, 2003

PUB-NO: JP02003228766A
DOCUMENT-IDENTIFIER: JP 2003228766 A
TITLE: LOCKER SYSTEM

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 5. Document ID: JP 2003216882 A

L1: Entry 5 of 13   File: JPAB   Jul 31, 2003

PUB-NO: JP02003216882A
DOCUMENT-IDENTIFIER: JP 2003216882 A
TITLE: CONVENIENCE STORE SETTLEMENT SUPPORT SYSTEM

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 6. Document ID: JP 2003115015 A

L1: Entry 6 of 13   File: JPAB   Apr 18, 2003

PUB-NO: JP02003115015A
DOCUMENT-IDENTIFIER: JP 2003115015 A
TITLE: METHOD FOR DEPUTIZING BILL COLLECTION/SETTLEMENT THROUGH COMMUNICATION
NETWORK, AND DATA PROCESSOR THEREFOR

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 7. Document ID: JP 2003108907 A

L1: Entry 7 of 13   File: JPAB   Apr 11, 2003

PUB-NO: JP02003108907A
DOCUMENT-IDENTIFIER: JP 2003108907 A
TITLE: COLLECTION AGENCY SYSTEM

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 8. Document ID: JP 2003058800 A

L1: Entry 8 of 13   File: JPAB   Feb 28, 2003

PUB-NO: JP02003058800A
DOCUMENT-IDENTIFIER: JP 2003058800 A
TITLE: CHARGE RECEIVING METHOD AND SYSTEM THEREFOR

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 9. Document ID: JP 2003023657 A

L1: Entry 9 of 13   File: JPAB   Jan 24, 2003

PUB-NO: JP02003023657A
DOCUMENT-IDENTIFIER: JP 2003023657 A
TITLE: COLLECTION AND DELIVERY SYSTEM FOR HOME DELIVERY SERVICE EMPLOYING MOBILE
PHONE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 10. Document ID: JP 2002261985 A

L1: Entry 10 of 13   File: JPAB   Sep 13, 2002

PUB-NO: JP02002261985A
DOCUMENT-IDENTIFIER: JP 2002261985 A
TITLE: INTERMEDIATING SERVICE BETWEEN EACH COMMUNICATION COMPANY AND EACH USER

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
(charg$3 near3 collection) and bill$3 near3 collect$3	13

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Search Results - Record(s) 11 through 13 of 13 returned.

☐ 11. Document ID: JP 2002163424 A

L1: Entry 11 of 13   File: JPAB   Jun 7, 2002

PUB-NO: JP02002163424A
DOCUMENT-IDENTIFIER: JP 2002163424 A
TITLE: DOCUMENT SUBMITTING SUPPORT SERVICE SYSTEM AND RECORDING MEDIUM

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 12. Document ID: JP 2002109057 A

L1: Entry 12 of 13   File: JPAB   Apr 12, 2002

PUB-NO: JP02002109057A
DOCUMENT-IDENTIFIER: JP 2002109057 A
TITLE: BILLING SUPPORTING SYSTEM FOR NURSING CARE OPERATOR AND COMPUTER READABLE
RECORDING MEDIUM

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 13. Document ID: JP 2002007595 A

L1: Entry 13 of 13   File: JPAB   Jan 11, 2002

PUB-NO: JP02002007595A
DOCUMENT-IDENTIFIER: JP 2002007595 A
TITLE: FACILITY SERVICE SUPPORT SYSTEM, COMPUTER FOR SERVICE CENTER, AND RECORDING
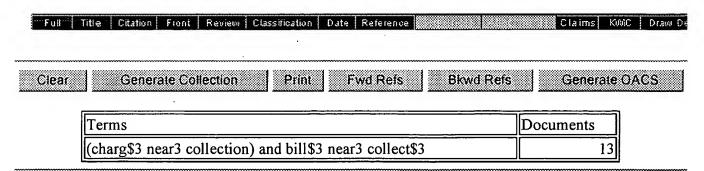MEDIUM

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

Terms	Documents
(charg$3 near3 collection) and bill$3 near3 collect$3	13

Hit List

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: NNRD410136

L3: Entry 1 of 3   File: TDBD   Jun 1, 1998

TDB-ACC-NO: NNRD410136

DISCLOSURE TITLE: Displaying User Information as Streams with Kinks

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 2. Document ID: NN900518

L3: Entry 2 of 3   File: TDBD   May 1, 1990

TDB-ACC-NO: NN900518

DISCLOSURE TITLE: Remote Access of Facsimile Machine Activity Reports.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 3. Document ID: NN87091688

L3: Entry 3 of 3   File: TDBD   Sep 1, 1987

TDB-ACC-NO: NN87091688

DISCLOSURE TITLE: TELEPHONE CALL CONNECTION MONITOR for a TELEPHONE BILLING SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS

Terms	Documents
(bill$3 near3 collection)	3

Display Format: TI   Change Format

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☐ ▨▨▨▨▨ Generate Collection ▨▨▨ | Print |

L3: Entry 3 of 3   File: TDBD   Sep 1, 1987

TDB-ACC-NO: NN87091688

DISCLOSURE TITLE: TELEPHONE CALL CONNECTION MONITOR for a TELEPHONE BILLING SYSTEM

DISCLOSURE TEXT:

- This invention is part of an electronic exchange telephone billing system. The
purpose of the billing system is to monitor all outgoing subscriber telephone calls
to 1) identify any one of 40,000 subscribers making a call, 2) record the digits
dialed by the caller, 3) determine call initiation time, duration of call, and call
disconnect time, and 4) properly itemize and bill the effective calls in realtime.
The system is a distributed, modular, electronic telephone exchange which includes
multiple main control units (MCU) operating in load sharing mode. Each MCU can
handle up to 36 new calls simultaneously. The processing of a new call includes 1)
the detection of caller off-hook, 2) register assignment, 3) collection at the
register of digits dialed by the calling subscriber, and 4) deal location of the
register. Another processing unit, called the supervisory processing unit (SPU), is
responsible for making, disconnecting, and monitoring paths through the switching
matrices of the telephone exchange. This unit is modular and can operate in triple
or quad redundancy mode to supervise call connections through the switch. The data
collection portion of the telephone billing system includes a hardware monitor card
(SPUM) which plugs into the SPU rack and monitors the I/O signals of the SPU as it
supervises telephone connections in the switch. This invention provides a method of
monitoring subscriber telephone call connections in a 40,000-line electronic
telephone exchange. The hardware implementation of this invention resides on the
SPUM card. A simplified block diagram of the SPUM is shown in the figure. This
logic card monitors the supervisory processor (SPU). The SPU monitors the making
and breaking of switch connections between the calling party and called party. As
new connections are made, the subscriber's equipment number is passed from the MCU
to the SPU. The SPU honors this call connect request by converting the subscriber's
equipment number to a connection number which identifies the path through the
switch connecting the calling party line (LA) to the called party line (LB). The
SPUM interfaces with the following SPU signals to monitor the state of each active
call in the switch. LA represents the state of the calling party's connection to
the switch matrix. LB represents the state of the called party's connection to the
switch matrix. When LA and LB are both active, both parties are communicating with
each other through the switching matrix of the exchange. MA is active when a call
is being metered (for the old billing scheme). o LA - Calling party connected to
switch o LB - Called party connected to switch o MA - Meter pulse active o Call

Connection Address (SA) - 12 bits The SPUM contains a state change table which maintains a copy of these three bits of information for each of up to 6144 possible connections (SAs). Since the exchange is modular, multiple SPU/SPUM will accommodate up to 40,000 subscribers. The state change table is controlled by PLAs which perform the LA, LB, and MA monitoring algorithm. This invention alerts the microprocessor of the SPUM to any changes in the state of any of the 6144 possible switch connections. if a change is detected, the new LA, LB, MA state, the old LA, LB, MA state, and the corresponding call connection address are sent to the buffer in the microprocessor's storage for processing by the SPUM microcode. LA LB MA Meaning -- 0 0 0 Idle connection. 0 0 1 Invalid - metering on an idle connection. 0 1 0 Called party only - off-hook. 0 1 1 Invalid - metering with LA inactive. 1 0 0 Calling party only - off-hook. 1 1 0 Both parties connected, no metering. 1 1 1 Both parties connected, meter pulse active.

☐ ░░░Generate Collection░░░ | Print |

        L1: Entry 3 of 13   File: JPAB   Jan 29, 2004

PUB-NO:. JP02004024896A
DOCUMENT-IDENTIFIER: JP 2004024896 A
TITLE: BILL COLLECTION SYSTEM, BILL MANAGEMENT SERVER, AND BILLING SERVER

PUBN-DATE: January 29, 2004

INVENTOR-INFORMATION:
NAME   COUNTRY
KATO, NOBUYUKI

ASSIGNEE-INFORMATION:
NAME   COUNTRY
TOYOMARU INDUSTRY CO LTD

APPL-NO: JP2003209533
APPL-DATE: August 29, 2003

PRIORITY-DATA: 2002JP-048877 (February 26, 2002)

INT-CL (IPC): A63 F 7/02

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a bill collection system which determines charges
for goods, information, services, and devices depending on use information. on the
used amount of the goods, the information, and the services or operation
information on the quantity related to the operation of the device performing
prescribed operations and charges them with the cost for communication, a bill
management server, and billing server.

SOLUTION: A device 9 for transmitting operation information is provided on a
Pachinko machine 8 rented to a Pachinko parlor 2 from a game machine manufacturing
company 1, and collects the operation information on the Pachinko machine 8. The
operation information is transmitted to a server 4 for collecting operation
information from the device 9 by calling up from the server 4, and is transmitted
to the bill management server 5 of the company 1 through the Inernet 6. The server
5 makes bill collection data on the basis of the operation information and
transmits the data to the billing server 10 of a telephone company 3. The telephone
company 3 charges the rent and the telephone bill to the Pachinko parlor 2.

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L1: Entry 1 of 13   File: JPAB   Jan 13, 2005

PUB-NO: JP02005010946A
DOCUMENT-IDENTIFIER: JP 2005010946 A
TITLE: BILL COLLECTION METHOD AND SYSTEM AND BILL COLLECTION SHEET

PUBN-DATE: January 13, 2005

INVENTOR-INFORMATION:
NAME   COUNTRY
TSUFUKU, TETSUO
MIKAMI, ATSUYOSHI
NAGAI, RYOJI
MUTO, HIROFUMI

ASSIGNEE-INFORMATION:
NAME   COUNTRY
RICOH CO LTD
TOKYO RICOH KK
RICOH LEASING CO LTD

APPL-NO: JP2003172422
APPL-DATE: June 17, 2003

INT-CL (IPC): G07 G 1/14; G06 F 17/60; G07 G 1/00; G07 G 1/06

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a bill collection method and system and a bill collection sheet alleviating the burden of a person in charge of bill collection and allowing the person to collect bills with efficiency.

SOLUTION: A collection management computer 21 prints the bill collection sheet 50 based on collection data stored in a collection data storage part 22. The bill collection sheet 50 comprises a contact slip, a payment sheet, and a receipt. When collecting a bill from a customer, the person in charge of collection presents the receipt of the bill collection sheet 50 to the customer and transfers the collected bill using the payment sheet from a convenience store SH. A POS terminal 30 in the convenience store SH obtains via a bar code reader 30a information on the slip number of collection data displayed on a payment slip as bar codes, and sends the information to the collection management computer 21 via a POS terminal management computer 31.

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